



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000214417 A

(43) Date of publication of application: 04.08.00

(51) Int. Cl.

G02C 7/04

(21) Application number: 11013819

(22) Date of filing: 22.01.99

(71) Applicant: KURARAY CO LTD

(72) Inventor:
MAKABE TAKASHI
BABA NAOYA
NAKADA KUNIIHIKO
IKEMOTO RYOZO

(54) CONTACT LENS

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a contact lens of a thin type which is excellent in oxygen permeability, shape retainability, wearability and wearing feel and is good in movement when the contact lens is worn.

SOLUTION: The contact lens which is 0.030 to 0.060 mm in the central thickness of the lens, 0.100 to 0.170 mm in the maximum cross-sectional thickness in the peripheral part of the lens and in which the maximum cross-sectional thickness in the peripheral part of the

lens exists in a position within the range of 3.5 to 6.0 mm in radius from the optical center of the lens and the difference between the central thickness of the lens and the maximum cross-sectional thickness in the peripheral part of the lens is 0.070 to 0.110 mm is provided. This contact lens is not only thin in the thickness of the lens and high in oxygen permeability but also is smooth in the movement of the lens at the time of wearing and, therefore, the supply of oxygen to the cornea and the discharge of the wastes on the cornea surface are easily effected.

COPYRIGHT: (C)2000,JPO